RESIDENTIAL TRAINING PROGRAMME

Compressed Biogas (CBG): Potential, Technology, Policy, Operation, and

Economics

April 11 – 13, 2023 Venue: Anil Agarwal Environment Training Institute, Tijara, Rajasthan



Time	Session	Resource Person			
DAY 1: 11 th APRIL 2023					
09:30 AM – 10:00 AM	About CSE and AAETIThe Objective of the Training	Binit Das, CSE			
	Overview and Current Status of Bio-CNG in India				
	Basics of Biogas				
10.00 AM 10.45 AM	The Potential of Biogas Generation in India	Dobut Loin CCE			
10:00 AM – 10:45 AM	Environmental, Economic, and Social Benefits	Rahul Jain, CSE			
	CBG Policies in Place and Installed Capacity				
	➤ Important Site Selection Parameters				
10:45 AM – 11:45 PM	Technology Behind Bio-CNG Production	Vikas Mishra,			
	Bio-CNG Plant Equipment and Machinery	Director, Biofics			
	Different Types of Digester Designs				
	Factors Affecting Bio-CNG Production				
	Operation, Precaution, and Maintenance				
	Tea Break: 11:45 AM – 12:00 PM				
12:00 PM - 01:00 PM	Animal Dung-Based CBG System	Prof. V.K. Vijay, IIT			
	Goshala Waste and Biogas Potential	Delhi			
	Productivity and Challenges				
	Biofertilizer Quality				
	Successful Case Studies				
	Decentralized Biogas Systems				
	Lunch Break: 01:00 – 02:00 PM				
02 00 DM 02 00 DM	Economics of CBG Plant and International Best Practices	Dr. Jyoti Hadli,			
02:00 PM – 03:00 PM	Economics of a Bio-CNG plant	Director R&D, KIS			
	Learnings from International Experience	Group			
	Successful Case Studies				
	Carbon Credits for Bio-CNG Plants				
	Basics of Carbon Credits	Manish Dabkara,			
03:00 PM – 03:45 PM	Steps to Avail Carbon Credits	CMD & CEO – EKI			
	Revenue that could be Generated	Energy Services Ltd.			
	Examples of Plants Using Carbon Credits				
Tea Break: 03:45 – 04:00 PM					
	Green Hydrogen from CBG Plants	Dr. Sankararao			
04:00 PM – 4:40 PM	Basics of Hydrogen	Mutyala, Director,			
04.00 FWI - 4.40 FWI	Production of Green Hydrogen from Bio-CNG	Nanosol Energy Pvt.			
	Benefits and Application in Industries	Ltd.			

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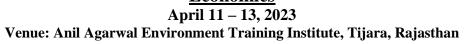
Time	Session	Resource Person
	Overall Economics of Integration	
04:45 PM – 5:30 PM	 R&D Advancements and Biogas Standards ➤ Process Parameters and Optimization ➤ Biogas Standards ➤ Recent Research 	Dr. Sachin Kumar, Senior Scientist, NIBE

Time	Session	Resource Person			
DAY 2: 12 th APRIL 2023					
10:00 AM – 11:00 AM	Biomass Supply Chain Management and Processing Significance of Biomass Supply Chain and Processing Role of Biomass Aggregators Terms of Contract and Economics Selecting the Right Biomass Aggregator	Lt. Col Monish Ahuja, MD, PRESPL			
11:00 AM-12:00 PM	Bio-CNG Digestate as Resource Composition of Digestate Key Characteristics of Digestate Ways to Upgrade and Market Standards and Regulations	Madhurima Prasad, Carbonlites			
12:00 PM-01:00 PM	Agricultural Waste for CBG Production (Online) ➤ Biomass Collection, Storage, and Quality ➤ Functioning of Verbio Sangrur Plant ➤ Operation and Challenges	Ashish Kumar, MD, Verbio India Pvt. Ltd			
01:00 PM -01:15 PM	Group Photograph				
	Lunch Break: 01:15 – 02:15 PM				
02:15 – 03:00 PM	National Bioenergy Programme, MNRE ➤ Waste to Energy Program of MNRE ➤ Available Financial Assistance ➤ Application Procedure and Timelines	Bikash Upadhyaya, Scientist-B, MNRE			
03:00 – 03:45 PM	Biogas Digestate and Algae (Online) ➤ Positioning of Algae into Biogas Plants ➤ Objectives of Algae Subsystems ➤ Description of Specific Projects	Robert Reinhardt CEO, Algen (Slovenia)			
04.00 04.45 53.5	Tea Break: 03:45 – 04:00 PM				
04:00 – 04:45 PM	Experience Sharing by Participants				
04:45 – 05:00 PM	Feedback/ Vote of Thanks				

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Time Session					
DAY 3: 13 th April 2023					
8:00 – 12:00 PM	Travel from AAETI to Bio-CNG Plant Site Garhmukteshwar, Hapur, U.P.				
12:00 – 01:30 PM	CBG Plant Visit Explanation of Plant Components and Capacity				
01:30 – 03:00 PM	Course Completion Certificate and Lunch				
03:00- 06:00 PM	Travel Back to CSE Office Tughlakabad Institutional Area, New Delhi				